U.S. DEPARTMENT OF AGRICULTURE, BUREAU OF BIOLOGICAL SURVEY

Form Bi-689

FIELD DIARY

Mr. Vermon Failing
Chief field Naturalist
Biological Survey
(Official UDE.)

Period, October 1936 Mov. 24, 1932

NOTICE

This book is Government property. The finder is requested to mail it to the Bureau of Bio-LOGICAL SURVEY, DEPARTMENT OF AGRICULTURE, Washington, D. C., or deliver it to the official whose name appears above. A detachable addressed frank will be found on the last page; by tying this on the cover the book may be mailed without postage or wrapping if fastened shut.

For Wark in Myrico Outsit Passports of permits Gues of amunition, Flash light Collecting chest Traps Looks, Sealfels, plyers, seissous, dividers, measures, mudler, Supplies, arsine, cotton, tow, wire, pins, Cabels, tags, catalogues, Outweat, corner, peacent butter, beaver caster, wall bait, Stationary, Journals, note books, paper, trailed, waps, colored purels, Curveras, jelius! Heal light ribbous etc. Clothing, bidding, boots, when soles, bag. Tent, pack covers, shiping bogs First aid,

Outlit, continued. Saddles, april, rapes, Flash lights, First au Travellers chiefes -Books, warneds, birds, plants Spainsh dictionary.

Fracks, Klim, boking powds,

pea weel, coffee, tea, soop, candles,

corn weal, buen, Lift Washington 3:50 PM B+O to Chicago of R.D. El Paso, Turas to going Fredric Wenthrop fr. who flies n Miceo, Gilwahrer od Sovera down from Baston, for collecting skietness od studyng field natural history in green! Warry and raining as Washington. alling was in their prime and the wes Sassapas of stageborn servache like flame capalias and the Tulis hickory and olm like baylight down sunshine. With all the stades of sed, oaks, gum, poke weed sentlered through or busheded wassed the sichness of color schune of votise is musurparted.

It has lained brainly for object 36 bours are full of fords,
The steerands high of engling of the steerands high of engling the Harpers ferry while the Potomore of firen water points the yellow Showmendards, I'm somethy is brantiful what are cloves with bearing all fit in to a magnificant picture, never attempted by any artist. Even the dim for of base of the nicthy sain of the ord enrich the sitting why don't astists give us the mast thing instead of their pump limmaginations.

Det. 19 thoke up and somewhere somewhere somewhere Ohis and I had bruding of I had bruding after lossing one how. It is forgy and how. It is forgy and how. It is forgy and a damp and brilliant pieture of shelp colored foliage, waited from the pelli greinesh fellow of the willows of cottonwoods of askins to the golden hierory walnut, tulip, elm adaysavas to the ends bed browns of the grasses. Even the old dres weeds and bead warsh grass fill in messes of siets color and from the green and brown fields and yellow sawd bank; thenduled of miles of fields and freelings in need color.

arrived at Chicago 9 Mls West agress farm country to the Mississippi River vally af there the old of unsed coul fours it alloss to Devemport The more valley has its am autum edas schems, largely of the gellow trees, the pale allows of velocus, befelders, wild grape well bettersweet, the polder cottoners ath elus, I honey locast, and the flaming stagborn al deep well smooth surrech. These are the doment colors but wany touches of sud ad brown of green care in col patelles of white of purplastors and I few late surflowers al goldenerd's so hile On the filledis The puplion and and brown of the asks arrower.

West of the Miss. R. we crossed big sich prairie country of Lowa till lack, The erops seem to brown fairly good and young ceittle at bogs are tring hed as usual but not so many. No visible signs of depression erefit in the towns wheen seem rother valeant ord many buildings empty.

Sunsit on the day prairie with ander of dust of bary in the airs was a gorgious color display, varying from light pellow and helps to dust yellow and relow and helps to dusting red as the loat strok sund into the dosigon. The sky seemed to be consisting of the progrants or princers? Colors of the continuent tolists of the continuent polists of the continuent tolists of the continuent polists of the continuent tolists of the continuent tolists.

Oct 20. Similar on the Abertasas planis neal Pratt, Kernsas, a cold. prooty night but the highest smithing rom warmed the Crossed the Cinvasore of up anto the Flores Plains Thursday and Kaffer Coses the pincepal crops, Grass obort and kly, not wang cattle nd not grow frishing of planes . down to lower and brougher country wesquite, Callon hales at Jower Toworan of the Cimmon Valley. Santa Rasa, Same old town, Picturesque country, Good geass.

Santa Rosa but dark prose are reached the mountain sangles, arrived at El Paso 11:55 PM and went to Helton Hotel, new I woulden and 17 stories high with a great view of the mountains on both indes of the Rio Grands valley and far up and down the river. Raining when I arrived. There has been much rain at the distert is unusually fresh and green.

The collowards along the Rio Grands valley are still desk green with scarcely a trace of yellow and wany fall plawers are in blassour.

Oct. 20. Found Freder Winthey and his friend at the Hotel when I came four to heralfort. They arrived at This plying down beaus of bodweather. Raining for several days. Colder of Chese this waining. 44° obove gue, the coldest this year and musually Fedd for the Execut the day trying to get our papers lived up for enthring Whitell but did not get horfdome. Innehed at Juary advisited the at the Mint, and visited the Casino where gambling is going on at full blast. Many awericans at both places, largely women of gerts, drenking and engling of gambling. Not an attractive set.

Worked fast to get our papers fixed up al Lords moderate and worky deposited at the Mirean Lower (4750) as surely That we would depart our set of all our specimens in the Music in The Musio National of Mixed City when they were classified and named. a little after 2 PM white the offices closed. I are ready to start for Mixed in the worning went at all called on Mrs od Capt. Slater at 514, Praspect ary, in this very interesting home. He is artist and sculptor and she botanist of all serventuality Her descet gardin is west interesting

Oct. 23, El Paro, Teras, Sunday woming, warms drive to Carralitos around by Columbus, New Miles. and Palouras. Then 90 miles route to the old Rancho Correlitos The whole trips is in Your Sonoran zone nurquete, crosoti, cotselan, Jueca radiosa colmacionarpa and all the plants that go with them char over the tops fall ridges crossed south of the line. He ridges north of the boundary. Many little wountain ranges all army that seem to be upper Sonoran on at last cold slopes but no simply nut sine a oaks in sight of the road . Take Palowar is in a beg vally July of good grass as are all the lobes along the way. The vally said is rich and big grass proofs our his flat country of fur frame of

burch grass on the ridges Even Eurotia lavata and alighx auseus of another fines hard no light overgrazing although hundreds of cattle are seen in the vallup, all fet white face stock. I never baw such a cattle winter as all of this pigoalleys but especially the Carsalitos volley where the one or two companies controlor own about a million accessor land. There lave been went rains year of wort vegetation is green and there are warmy tractiful wild knows, worthy sellow compasits but some ping of purple astres and flame caloud Walkasterns. Gilleregia is sust coming in flower but apparently a search flowering. Some of the nexquites and pull-juppleaus,

Saw Annivapiemophilus

poterday veat El Para cef

today one Citilles spilosoma just
east of Deming. Lota of buevous
advocades of Ortodamps spotshis
and the smaller Rangaero sets,

Poelet gopher hills all along
a Liw plack ruthits and in

Millies 4 Coryotes.

Party Frederic Wintheop gs. Eriginio Padilla "asico" Trinidad Padilla, "Otteria" San Pedro Corrolitos, Geo. Houghton Forevour of Coesalitos Rande El Paso, Tenas, 223 Mills Bulding Richard Trimble, Vice Pres. Corralitos Co. Mas 1 Ol 24 Carraltos, Chilivahua Uwoke in the great adobe earth bouse of the Carcaltos' million acre raugh ad mine. The endless munder at extent of ordobe walks and buildings and carrals al playas on all sides of the big main four square house with a patio Loor 70 fut llowers. The billdings are del bad wassing and dark and are old store room for a tou of but, quand on the floor antel a strong swell of talkande but no bots could seen in the citing. metted pron gold o slove one from access the valley, and hundreds of huge alaws hees grow all away the buildings on along the Cassafiands River which was thro the oralley.

Akre Panche Villa hicher The vaniers of tostume of whipped al hing and obot The employees to make Them give my gold or secrets and dustroyed property killed cattle and otals borses and later Pershing quartered his 3 oor men on his permative raid into White The hig ralleys are all Lower Seneral Zoste, will watered and heavily granded, a paudice for stock and with mulmited passibilities in agreeather farther soil is sich and abundance of good water only a or to but bleest the surface. Little sough disert raises on all sides but raisely high everyth for timber or much high everyth for timber or much high everyth for timber or much

Det. 25 Went to Cassas Grandes to get stuff at the stack brown the half what we needed. Jot flour and half what we needed. Jot flour and because of feloricilla but no bacon or perhassilla but sur sur al mich al much al situs. Beaus and squashusad while are seen at the backes on the little farms.

Set haps of hunted and find kangarwo rats of podat mice of signodows abundant.

Corealitos.

Def. 28 Packed up at lift for Songra, campid at Rambas
Ramas, 12 miles.

Muroid at larealitat \$ 700 fut

"Ramosa 4900"

Old Lower Sonoran bally
country. In list of plants.

Compadat big springs of growl
water mids buge at cottonwoods
with geassy flats all accord and
a big could to vater mining down
Through the sauch.

A hot day, sode all day in Soit
slures.

Cotteting of ording up specimens, Went to beg statles east any bots to beach droppings from rooffe. How new plants, would be worth excapating. Hung new plants, woming sullish liping, Florensia, Solol Devera, Phus meiosphylla, Ocatillo and much surpopiles, Good grass everywhen and bet of cattle. A few new hiels feet all fower Soveran vigitation.

Oct 30 Rawas Simlay, Got of long the horse bosse for a carly stirt but one bosse och and mot be found milit about 9 all, and dieford get of till 10:30. Traveled over ridges and rather Crule and compile before sundown with Cattonwoolls, a new fine based, willow, Sicamores, wolants or Owder booked Jumper. only in the higher wountains, Ift Lower Sovoran spreies we west arm of Rewood Vally of not over 10 winds east of based wain Siera Medra. Upper Soveran part of bally all grass. Jumpers on blue

Came through one big praise dog town, about 40 dores, 5 hicks befor Cawping. In whose Eversan some. Also two Lipus gaillaids, on top of highest greens plants to lipus gaillaids, on tops of highest fone. Aubits much as in camparases. hid in grass by squitting flat and I ampad our few lorsetads, are old at Rawas read 5 150 fut at bowas in mynny al 5 800 at comp. 5 PM.

10.5

Cot. 31, for Tapaintes look and sinds it Tunga Crak about 5 indes above Coloria Juang, Then followed up the crack about 10 wills to the Renchas de las Lobas at 62 co feet ael camped in lower selge of Isankiting gone where yellow and Chekachua pines of nasson havel cotto anovals begins and clase to the tops of the fiest high riedge of The Dieser Madeal. Wahmits, expensors, grayed every oaks and chider back primpers scach up to a few wines below camps of the oaks and fininger for above on warm stopes.

Nov. 1, Monday, Followed west up Tenga Cruk about To wills to ocey end, then over a low saddle at 7800 feet with warm ridges 500 to 1000 fut higher them down west slope along a stup gulch on old and very weeky was about 1000 fut lower, they own a ridge at 7500 feet and down to the town of Tamasino on the San Pideo River of 6250 feet in a fig yellow fine valley with triubered mountains all around highers about 200 feet. All Transition gory all day everpt south alopes where The Jumperus phehyphloea. Pinuls embroides, blue oaks, manzentas of Bacocarps go up to at hast sovo fut on south slopes Eulsy ode dows not go so high. The flat value at 6200 fet cel all northerly rassow haved coloured chiru al waple

Nov. ~ Travelled west from Tomaranda 5 miles to west beauch of Son Redso River adupt it west 5 inles farther of camped nows The last water at 7250 that by my muroid, 7100 by Wuthrop's. Comped at IPM in begutiful pine words - puer Transition Igohe which cooled the top all all cold slopes down to Tamaranda at 6250 fet. Infact we have been in hausition gone all day and all day gestieday, except o stup south slopes where blue adds sore fut. Usually upper zonovan stops about 7500 on not very stup stopes. Transition gone who to top of sange in extrusion of trailiful firest of shoved felow Rinds Chihudhus pine, Locust and ash

In two northeast gulelus at about 7500 fut swall groves of aspens were found but vo Douglas spense and southern while ping art common and the little baved Wer grandidutations up & near the summits Winthrop clinked the highest when his averaid read up to 8650, It generally reads 200 to 400 fet higher than mine Set gopber traps and got the a vig Personyseus also caught Motoma that Lums to be universe Several Little white tail does were seen but none collected and seen but one secured My tookays been fut one secured My tookays beautiful down

Mov 3. Rewained at early hunding up skins, Craches never found us.

Mor. 4 Crassed over the divide into Sovera about 5 miles west of early at 7800 fear by my central and 82 or by Winthrops, then pitched down steep dry story slopes to the west over old mining good od worked out thaif to the old about out thaif to the old about at 5300 feet, there 5 miles faither along the creek and comped at 5000 feet and a campout of sycamous, walnuts, wir oals, cypress, medical and on hot slops some Presons and on hot slops some Presons, and medical problems, Cottolaw, Rhus virides, agare palmeri? Opentia engluramical bassalais of along the creek 2 aprilies of Tal Baseais.

Ware evidently close to The edge of Lower Soveran gone but not fally into it expert on bot slopes lup to 5500 feet. Typer Sonoran runs from 5500 to 1500 on north olopes. Francision suns of peaks at 8500 and from 9500 to tops of peaks at 8500 on south Johns, Came down 3000 fut today with corresponding cist of temperatures a dry strys slowy slope but untarely grass until we can man Das Capyas where a few cows were seen and won at a Mylican ranch below good feel for our boises. Set haps in canyon orl wrote up a few notes Saw our big yellow felling fox oginal above Das Cakgos but light of

Mov. 5, Saturday, at camp 5 mi, helow Das Caligns ancioid Read 4900 for but wil went over sidges sico fet higher they back into the same campon at 4100 pert al down compred, sail & miles East of Bosaraea. Lower Sovoran exicies peach up on south slopes to 5 500 lut but most of the country is upper Sorran with blue ods, Elhosy oak, Imperus padujethora od placeda?, over the ridges, nd syeamon, ash, walnut, cottonwood, zwillows, hadebeery, Cupressus, Juiperus along the chul. Prosopies pubescus, acacia, minara, and other forer Soveran plants on flats of rot slope.

Came bery blown, over stowy tails
al did vot make 15 miles,
the on the trief wort all day,
The blue oaks are loaded with
seen, Band tailed pigens are
searting on them also rook against
light in danse heads but no faint.
Layer reveal tracks found,
Country rough at stony or
pictures ques of good water
good geass of good water
in creek. One littly Mesking
range in cattle all along.
Some cattle all along.
Hot day no practiget.

nov. 6, Sunday To Bassaca. Ut egus on creek 4150 Halley to Basacack, about 9 wines River at Basano 3600. a big open valley about 10 miles wide of 50 or 75 long worth of with all Laver Londran Sour will up onto the wormtain sides. Upper Souvan hills on the west. but no high country in sight. The Barish River is now at the lowest season two pert duft ed 100 yards wiell, ening rapidly with clear nountains water The irrigation delches are all full and large, several on forth sides. The sandy flats hows lots of extremonds of agreances river and ditohes od the not of vally dry mesquite plainsNov. 7, Humand at early may Basarack and set wore kaps ord words up The opiciones from the namings exters a brogading triling; P. ecomions 3 Lesangers ecomicas and a Thomours of a tot of back skins to make up.

A tot day but we had the stade of cottonwoods of and by The irregarding ditah progation ditob Traps on Hats in PM.

Mol 8, Camp of Bolowood 3400 Dy Winthoops average 4050. at camp 4 mis W. of Huardenano 2950, Winters 4450. Came about 16 miles and sample fut his before dans In maring caught 3 Significo 2 Perompers of to Throngs Toto of Syladrup cal Perdans Hats would not trup um hait ed not one was takens Who a big yellow sellings reaching theatserings, and Lt was in a hashlish hu no mato is acamo This pear,

all Lower Eonson all day exept in cold gulous where a fino the sales are proof, Peosopis velilius is the dominant tre of the maly Places, 2 fet I hamits a large acacia lily humany com al acacia conchida of two minores are obvient The racley sumpes is a sprains Naburbant in Hower Severan 3 met about heaved Tollandsia which also I some a little in Outros - Monnia Followed of the rives meli of the lay but from Huston threned up west just of campe at last ways

200,

Nov. 9, Camp 4m Nof Hustines 8 950 Divide toward Opolu 5/00 Campon west slope 4300 Caught 3 However cola Perguit ad Winthup stat 3 moss big fox Aquirrels, Made up speamens cel haded horses, a souhaded mule for a good house, Started about 11 ed can about 15 miles west up washer and over redges to suming and their rapidly down toward the Bativies River vally. Saw litts wild left. pluty Of Coon hacks ordone awarm day but frosty in morning. Lift Lover Everengons on SW slopes at 4500 for

and steed types someon at 4000 fut on NE Alopes. Lower Sover au worker by Misquity acres, Ocallo Solfer Soverain Bhu oak Every Oak Junipes, Khus rightis, Maryointy, Courthus -Camped in dust gullet floor oaks and spearers, Good water at introves along the wash, much stock and little years. No signs of any mountain of few birds, Sit no trops. Pictures que country but very sough at stony stoday! Duply geother. 161.10 Camp in weing 3450 Come over wany riages the highest. gulches until we reached Oputo cit 2250, (3100 by Wintrepo) Left last traces of upper socream on cold sloges at 4000 fut ooks, juipers, wanzantes Rhus ! Lover Souray went you That slopes to 4500 and a flats to 4000, Many new plants care in, a little front ceretis on great abundances from 4000 Just down to the bottom edge of vally at 2300 sut. The Fougueire tree, elephant This Iron wood (Olnea) and a lot of other Minosas and Gradala at 3500 fut and come to bottom

Nov. 10. Remand in camp " with par Optile and set a lot of traps bloiches Hoding up all skins to date. Had four of the hig fox aguesils and of they were dilicious, a good dange from tough beef fired The river here is about the same as at Backarak but not so clear ad pure. Still is good drinking works od news of straight from the vergotion detels that rims Through compo Cottonwoods, willows, backains of 3 or 4 oficies od tobacco hel coverthy flots. Feed for the borses is poor but we give them pluts I work so they will gain while resting feel wast friendly ord visig betpful in every way possible's gott so oranges from the tree of these but the rigular feel is 100 for 50 cm.

Caught Responsibles of Signorla 2 of word hope, wrole some notes Dr. Geo. J. Ocker and his son fol called as us al gars us much good informations. Highthe cloudy but warm as stoam by the hear vines his nothing class is injury. The com al sugarcancare till green al graving el many flowers are in blossom. A few mining hids al bots alwary mosets aresem.

Aprilo in Barispe Valley 2100 fut Piecosi - a few in hills owning oaks. While dur, a few in wordandothaide allen fade Robbits, Come, 2 token in pier Jackropht, said to bean westa Cottontail, Comon in vally Rook squess, cormon, Nedowa Perompeos Ourfohorup long seauder Signodori, numerores Perogration Thousand aport como in valley in Mits 19 talmorted Lobos, Trong Lynn Gray fox Paleson Pale on abu. grokin -Nov. 13, sputa, Camp 2100 Caught a lot of swall stuff Modery okins alwared competed at 2150. Set tops . Got another Lipas alleris a white vinged down Sow Two stelldrokes. Orange trees are lagded with fruit but not very aipe. We Sugar care is green and geoding, beauts are superbut bably extressly cottoplets, One young felles who losbeen to agricultual dollige for a years has a niesfarin will wanged with alfala and varied crops ad buil

Birds Bosisps Valley at Opento Mergansers 2 Sucks, said to be a few Killdus a few Gust blue brond, comm Ganbles quail, com Whits wings door com Mouring dove abundant Fuelly busgard com Black Veiltuns is Horned owl heard Spotted owl heard Lerech owl "
Red tail bank, a few
Marsh hank, common Shard shins, a fuseus. Thistees confides " Dryobatis sealais a fur Many Weks, in footballs Jossudier Nov. 14 Got a lot of Reogrations the men caught 2 cours and a hooded skind with the dogs. so with some of pesterdays catch day but nearly finished. Did not set all any wors haps so we can word an tolugrow if we want to the both beaver at other in the river near here but we have no large those for them and they are with would like to get the 3 other spray of okunds, to we love the sking at Stilogals and can well quest at Conepatres cal Mights. Thurword a heavy fear the woring that killed the search omes. a hot day but cold again in every Homes 2 secu Rodermer co-Sayarius Sayi o ho rigricans abundant Carves simoles Brewsbladfirds Meadowearks con Shrike a few authtonwaller Linghton Buren Gretis wien Thrusher a fui Moderny tinds Phanopipla Verdin wany nests Polioptita, co Pipilo modures Amphispiza bilmota nevadrusis Zonotrichia

NEV. 15 Camp mas Opulo 2100 Exprises about 4 miles, Then over ridges nw about 10 miles col camped halfway to navazari at soro fut come over ridges 3000, 3200, +3400 feet but all Lower Sonsan with meagints, Ocalillo of 2 spriers, Little Grant caches and other lower seriosan poleuts to similets. a few velvet leaved ooles on highest ME slopes and on ridge west of us. No Transition timber on any ranges in sight. Barispe diver has broad vally to worth and south but cuts across so there is no road and only trails of a few ranches to with. a rough, picturisque disert vally. Much stock at little grass.

Nov. 14 at comp meroid read in morning 3 100 Followed up wash to little farms and ded nines to 4400, Then over divide at 5400 fut and speaker up to love on both siches Then down to Pilares at 5000 just od 3 miles byand to camp on wash at 4000, near negonea. Come obout 24 miles. Water in many places along way but most of it stong of alum of other salts adjust to deink, good grades in many places. Lovce Gonoran up to 4500 fut and a little to 4000 on 9 slopes while rupper Lower comes down to 4000 ou n'Edops In NE Compon Gellow pines al Chilleden Jines come down to 4500 fut and cover stup nE slopes totop of rouge at wood but in a very nacrow, beden strip. a new aspen with whit back and cliptical leaves abundant before reacting chivids. Country very sough of interest. That big old camp.

Mov. 17. Come about 4 miles to Hacesfass got supplies and went 5 al miles west on road to Maydalina ampru morning 4000, Nacagasi 1082.50 nuters on station which equals 3518 feet. Overoid of Nacapari 3800. at comp to west 4300 fux. Came west over very rough hail camped by tenaja in soday assayo, at dack Country all Lower Severan gone except a have of upper on north slopes on ridge. Mesquite Dealer constricta o there, ocalillo cof Barenis fundant.

3 2001.15, camp 4300 Volly sloting bath 3900 24 valueto weeth about 5 mls Al camped at \$600. Came deut 10 miles, with much by measure, alacea, Zijoshos, Cordada, Ololilla od Baccais, Walnuts od Citis and a two cottonwoods in arroyas, No after water beet hig wells when cottle are watered, a warm day, Good automofile book of One big coon track along dry road about 5 miles. One flock of Gamples quail -Much stock, good grans except mar water

Mov. 19 Camp in woming 3400 havehol weth an good wand wand word thus down west slope into edge of Sonora River Valley about 5 miles and except and at 3400.

All Loves Serveren Jone expert when oaks and event when oaks and event when oaks and event about a sonor facility about a feasing about a feast failly aboundant.

Genes failly about water of sony stock bol atth water.

A two cattle ranches when water is prompted for slork.

No premise for slork.

Down wash I ohear to west about 10 miles, Then south on Chinipas on mesa drove the Soroia River, River 3000, Town 3100. Camped in fuld near town. all day in Lower Sovoran Zone, Misquily, Ocacea, Monusia, Cilto retreilata, malmit ash, apamore, estrowoods, Condalea, Figgether, Epsium, Ofentia fulgida, O. evalurani, tuni, destills, Baconis, 4 of., Salif 2, leans + sepper raised, Oranges at arises, 5 mis, 5 Erogon Zim Conyon, Cordials Persitoria, Zenaidua, Seardafila, Coetus wiens, vockers, Theosters, Derdins, Poliophila,

Wintheop went to mine shaft some 4 miles NEd Chinapa where bats were said to be. got so Otoptrus from back end of shaft about 100 feet is where they were huging to erof al walls but very active. Were shot and killed with buch at entrance sported hundred. Some were coppointly back alive and photographed. an old Mistoria oct two ball grown young were also killed in The care I got the Thomosup od a Perompsu new camp, owell up spicemens and gached resdy to estable stogs to Camania Cold and frashy in waring holday. A swell rives of good clean withs. Vally bottoms narrow and no extunion agriculture. Mooranges or enga Caustill south at acrespe.

Nov. 22. Cold and half inch I mee in burker 1. Teft for Caninala about 8 MM by truk, Thuck good soud from navagari in about 20 miles of ool ridge at 4000 They down grade to Bochily at 3.500 feet on the Lovara River when twice as much water flows as at Minipas. Then over ridges up to 4000 od 4600 or both olopes. Comama 55th, potil 5600 an alwast continuous wouthin range on east but in 3 dections, The worthern Called Bangas Mts. In middle Surra Mritanas, the northern Sures Ospeny They oppear to even from 6000 to 7000 fint high with narrow dry rooky creats and dup dops. They are covered with odes of Jumpers on the west slape to the lops but talles pines show along the high crests, indicating transiting you on this cold slopes. The sorosa River comes out of them.

Bodger, a pur Mackers com 3 genera, com, Jun Mire ward, a pur nor Bodger, Nov. 23 OT Cananca packing spreimes Emplied sheet and made up voits. a big graksy upper Sensan plans word Canana Nite. Many Dipoclomp operatabilis wormers, a little stimber beginty on worth olopes, lots of Cutochan Nov. 24, Started for Magdalus, ancisof 5400 Down auto west firly Serosa River to 4300. Big nesquits vally, full of good grass and good eath, Workerful winter range Over low divide about 244 vo to beal of Maglalum River and down through tentraly Canyon to 3600 feet, then Merough Maupus Caryon to 3300 feet, then in open valley country to Immires outh Nogalis shood at 2850 fut and to Magdoliva at 2600 fut at 4 PM. fairly good sood all the way. Quant carelus began in Wanpus Campa et 3300 fet, also the little giant a notus Destillo, Palavida I wany Thes of the last disson of Forer Foreran. A trace of Misgistricks. from mod y Sovora to want of they doling Rivers.

- hills

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$800.

Motowa



